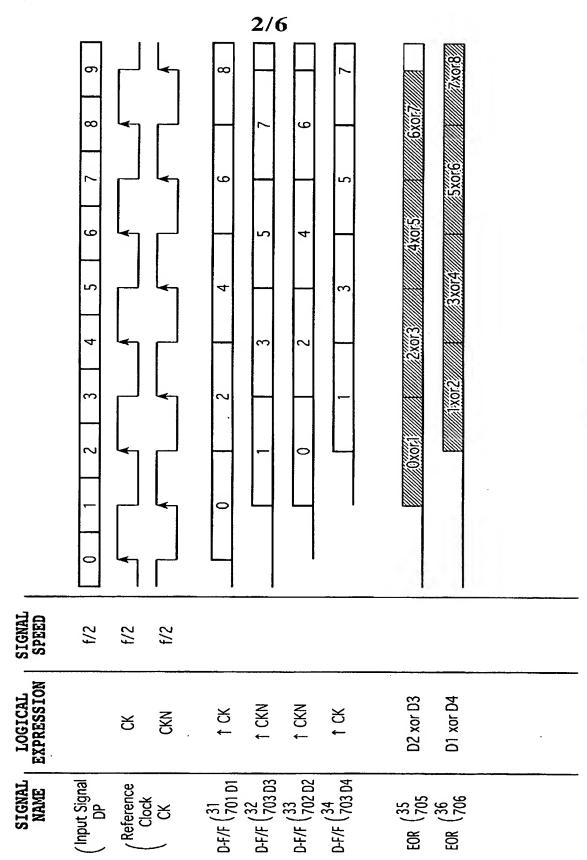
1/6 တ 6 ∞ ∞ ∞ 6xor7 ဖ Sxor6 5xor6 ဖ စ 4xor5/ ERROR PULSE WIDTH: 1.5*T+0.5*T 4 3x0r4 3xor4 4 4 REF PULSE WIDTH: 1.0*T 4 2x0r3 DATA PERIOD:T 1.xor2 \sim PHASE DIFFERENCE
BETWEEN
CK AND DIN
±0.5*T 0xor.1 0x07.1 0 0 FIG.1 THE PRESENT INVENTION SIGNAL SPEED (IN TERMS OF FREQUENCY) <1/5 <f/2 <f/2 <f/2 £/5 £/5 £/2 £/3 f/3 **f/4 f/4** LOGICAL EXPRESSION /FETCHING EDGE (q3 xor q4)*CK2 (q3 xor q4)*CK1 q2 xor q3 q1 xor q4 1 CK2 ↑ CK2 ↑ CK1 ↑ CK1 SS 쑹 SIGNAL Error2 Ref2 Error1 Ref1 8 ä S 42 93 94 <u>d</u>

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FIG. 2 HOLMQVIST AND SUMMERS



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FIG.3 THE PRESENT INVENTION

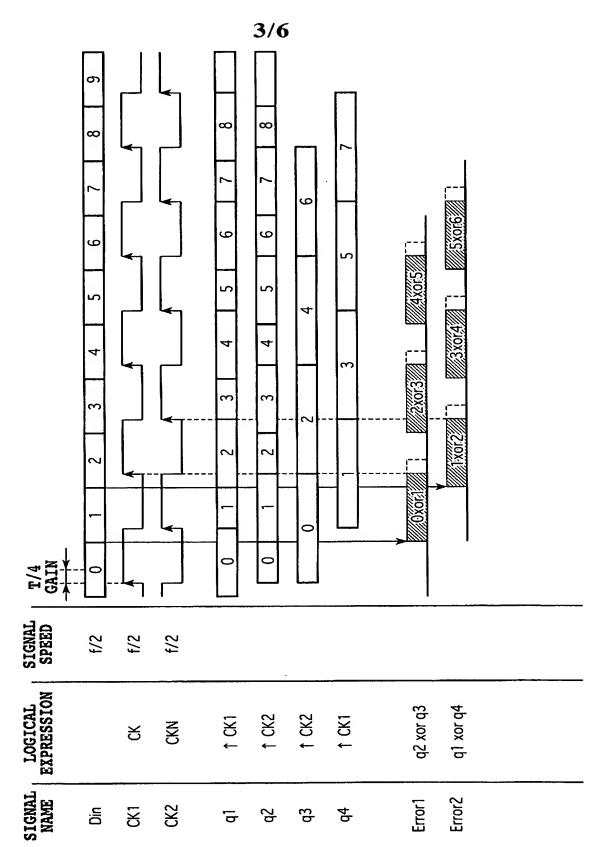


FIG.4 HOLMQVIST AND SUMMERS

4/6											
T/4 GAIN	0 1 2 3 4 5 6 7 8 9			0 1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7	, , , , , , , , , , , , , , , , , , , ,	WOXOF/WW/XOR2WW2XOR3WW3XOF4WW4XOF5WW5XOF6W		
SIGNAL	1/2	4	ч								
LOGICAL		ð	CKN	ĕ	† CKN	† CKN	→ CK	D2 xor D3	D1 xor D4	·	
SIGNAL NAME	Input Signal DP	/ Reference	 \$)-F/F (31 701 D1	D-F/F (32 703 D3	J-F/F (33 702 D2	D-F/F (34 703 D4	EOR (35,	EOR (36		

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FIG.5 THE PRESENT INVENTION

(E)

					5/6			
	6		4	6	6		П	
	88			8	8		7	
	7			12	7	9		
	9			9	9		2	25 XOT 6
	H			5	2	4		74 XOF 54 W
	5			4	4		3	3300 <u>44</u>
	4		—	3	- m -	- 2 -		
	3			- 2	5			xor2
	2		4,	-				0000E
₽ X¥				- -	0			
T/4	0				· · · · · · · · · · · · · · · · · · ·			
SIGNAL	1/2	1/5	1/5					
LOGICAL		ర	CKN	† CK1	1 CK2	1 CK2	→ CK1	q2 xor q3 q1 xor q4
SIGNAL	Din	K K	CK2	م ا	d5	d3	44	Error1 Error2

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FIG.6 HOLMQVIST AND SUMMERS

DELAY	0 1 2 3 4 5 6 7 8 9			0 1 2 3 4 5 6 7 8 9	6/6 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 9 8 9 9 9 9 10	0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7	Woxuring xor2m/2xor3m/3xor4m/4xor5m/5xor6m	(f)	
SIGNAL	1/5	ч	4				•			
LOGICAL EXPRESSION		<u>`</u>	CKN	∀	→ CKN	↓ CKN	→ CK	D2 xor D3	D1 xor D4	
SIGNAL NAME	(Input Signal DP	/ Reference	\ \ -/	D-F/F (31 p1	D-F/F (32 703 03	D-F/F (33 702 D2	D-F/F (34 703 D4	EOR (35	EOR (36	